

THE HERALD

SUNDAY, JUNE 29, 1884

DAILY WEATHER REPORT.

WAR DEPARTMENT.
Division of Telegrams and Reports for
the Benefit of Commerce and Agriculture
SALT LAKE CITY, June 28, 1884.

	A.M.	P.M.	P.M.
Barometer.....	29.54	29.99	29.88
Thermometer.....	67.75	82.23	87.77
Humidity.....	32	25	20
Direction of Wind.....	E	S	SE
Miles per Hour.....	4	10	16
State of Weather.....	Clear	Clear	Clear

Max. Ther. 90.0 Min. Ther. 65.0.
Rainfall during 24 hours, 0.0.
True Local Time.

J. CRAIG, S. S. S. Corps, U.S.A.

CHIPS.

The last case of diphtheria has died out.

Seclusion is the only balm for a wounded heart.

The District Court is adjourned until Monday, July 7th.

Third Sunday after Trinity, and the twenty-sixth of the year.

Nature never stands still, nor souls either; they ever go up or go down.

Yesterday was a very dull day in the police court. There was not an item on the docket.

The emigrants will be in Ogden at noon to day, and will reach this city this evening at 7.15.

Coal shipments from the Pleasant Valley mines, it is expected, will be resumed at an early date.

One of the inconsistencies of life: A crowd of drunken hoodlums, standing on the street corner at 2 a.m., singing "Home, Sweet Home."

The funeral of the infant daughter of Mrs. Laura A. Crocker will take place at 2 p.m. to-day from the family residence on Seventh East.

Plans for the new depot at the Utah Central grounds in this city have been accepted, and work will be commenced immediately. Go ahead.

Judge Gilchrist who was severely hurt on the head by a falling awning on First South street, the other day, is doing well under the care of Doctor Potter.

Zion's Building Society held a meeting Friday evening, and nominated officers for the ensuing year; they will be formally chosen at the annual meeting on the 30th.

The Home Dramatic will treat their patrons to a day of dramatic sports at the Theatre on the 4th, and close with a grand performance of "Peru" in the evening.

The Ogden Herald by a slip of the typographer, or a most in the eye of the proof reader, says in a leader of the 27th that it is two years since the martyrdom of Joseph and Hyrum Smith.

Yesterday afternoon was a repetition of Friday's bluster and dust storm. The barometer is somewhat higher than for several weeks past, but is liable to tumble and give us rain on short notice.

Judge Hunter, after having the injunction case under advisement for several days, gave his decision yesterday in favor of the D. & R. G. Western. It is thought that President Lovejoy will be compelled to resign.

Every other day the city is afflicted by the arrival of some patent medicine or other kind of a fiend, who decks out a horse and buggy and himself with signs and perambulates the streets to sell his snide wares.

The garden fete to be given by the ladies of St. Mark's church on Tuesday evening will take place in the grounds of Geo. Y. Wallace on Fifth East street, between First and Second South. Great preparations are being made.

The cases of Samuel P. Hitch for abduction, and of Alex. Howard for bigamy, were called up in the District Court yesterday, and they both withdrew their former pleas of not guilty, and plead guilty. They will be sentenced on July 7th.

The members of the Eighth quorum of Seventies and scattered members attached thereto, will hold their usual bi-monthly meeting in the Thirteenth Ward Assembly Room on Monday evening next, the 30th inst., at 8 o'clock. WM. W. DAY, Assistant Secretary.

Ogden is sorely afflicted with burglars. On Thursday the store of Mrs. M. Bell was entered by means of a skeleton key, and a lot of dry goods carried away. The money drawer had been emptied on the previous evening by Mrs. Bell, so the cracksmen had to take their wares in kind. Man traps and shot guns seem to be the only remedy.

Guard, while 'tis thine, thy philosophic case,
And ask no joy but that of virtuous peace.
That bids defiance to the storms of fate:
High bliss is only for a higher state.
—Thomson.

You are Interested Yourself

We are prepared to sell to families at the "Occidental" Pure California and Imported Wines at reduced prices. The best of Liquors and Cigars always on hand. You will become convinced by a trial.
* AUER & MURPHY Prop'rs.

THE SUGAR INDUSTRY.

Some Figures Presented by
Mr. Stayner.

The Probable Cost and the Profits.

FARMINGTON, UTAH,
June 28, 1884.

Editors Herald:

I now give you some figures in detail regarding the manufacture of sugar, which can be depended upon as safe returns with the ordinary farmers' risks. The question of climate has been definitely settled. Cane can be raised to ripeness in many localities, but September frosts which occur here in lowlands are apt to injure it before it is worked up (although when cane is fully ripe light frosts, just killing the leaves, will not injure it), but there are localities well known to be entirely free from any frost until late in November. No person has known any frost on the Sand Ridge as early as September or October; the same can be said of the Bench between Spanish Fork and Springville Canyons, because the breeze from the canyons, which are constant at night, keep the frost away. Even in Cache Valley, in the mouth of Blacksmith's Fork Canyon, sorghum cane is successfully raised; and in the mouth of Logan Canyon also quite a number of acres of sorghum are planted this year.

Now for the cost: of course it depends largely upon the magnitude of the business done and the conveniences and labor saving machinery introduced into the plant.

Cost of plant on Sand Ridge in Davis County, 1,000 acres of land.....\$20,000

Water right.....10,000 \$30,000

MACHINERY.....5,000

Buildings.....2,000

Engines 100 h. 2 boilers 100 h. ca. 5,000

4 mills to grind cane twice.....5,000

2 vacuum pans.....5,000

Yeast and evaporators.....2,000

1 set and centrifugals.....2,000

Syrup wagons for crystallizing room.....1,000

Extra.....1,000 26,000

Raising crop of 1,000 acres:

Planting.....2,000

Harrowing.....500

Planting.....1,000

Cultivating.....1,500

Watering.....2,000

Topsoil and cutting.....2,000

Hauling.....3,000

Incidentals.....2,000 14,000 14,000

Working up the crop—cost per day's run of 12 hours:

1 tons coal.....\$3.00

1 horse and driver.....2.00

2 helpers.....1.00

4 leaders.....1.00

2 bagas-e men.....4.00

2 rollers.....4.00

1 che.....5.00

2 defecators.....5.00

1 vacuum man.....3.50

1 assistant man.....2.50

1 centrifugal man.....3.50

2 helpers.....5.00

Incidentals.....10.00 10.00

With this force it is possible to run through 100 tons in 12 hours, but say 90% tons, or in 60 days

run 600 tons, at \$1.50 per ton. If the crop gave 6 tons to the acre.....9,000

Total cost.....\$79,000

Superintending and clerk hire, say.....5,000

.....\$84,000

If we had 6,000 tons we would run nights one-half the time.

Results at 6 tons to the acre:

600 tons, giving 75 lbs sugar—4500

bagas sugar at \$2.....\$90,000

And 75 lbs syrup—450,000 lbs. syrup at 18¢.....81,000

4000 gals vinegar at 20¢.....80,000

6000 barrels seed at 40¢.....2,400

.....\$257,400

Selling the syrup at 40¢, \$180,000

And vinegar at 10¢.....4,000

And seed at 40¢.....2,400 \$21,400

The sugar then costs as follows:

Raising.....14,000

Working.....9,000

10 per cent. wear and tear on buildings and machinery.....2,600 25,600

Deduct what you receive for syrup, vinegar, etc.....21,600

Balance actual cost of sugar.....\$9,000

450,000 pounds of sugar for \$9,000—20¢ per lb.

Now the profits on a plant of \$84,000:

Returns of 1000 acres.....\$37,500

Cost of raising, working, etc.....25,600

Profits in gross.....\$11,900

Or 52 per cent. You see there is plenty of room here for modifications and errors and yet pay 10 per cent. on capital invested.

The amount of money necessary to raise the crop and work it up can be borrowed the first year—it need not be capital. My plan would be to pay 10 per cent. on the stock and out of the balance of the profits buy another 1,000 acres, so as to summer-fallow one half the land each year and thus with the manure keep the ground in good heart.

I have consulted with good, close-calculating farmers on the figures for raising crop, and every one has said they are large figures and the work can be done for less money.

You notice I have provided in the machinery to grind twice. After the first crushing I add a little warm water to the crushed cane and pass it on an endless apron to another mill. I thus save one half of the juice, which has hitherto been wasted in the bagasse. There is 80 per cent. juice in the cane, if it could be all extracted, but 75 per cent. is all I expect to get with two pressures. The principle of diffusion will extract 85 per cent., but there would be an increase of 43 per cent. evaporation, which, with fuel at 25¢, would cost more than the extra juice would be worth. However, in the future this principle we may have to use.

Of the excess of syrup we will have to make alcohol and whisky or rum. Each eleven pounds of syrup will make half a gallon of alcohol and two-thirds of a gallon of whisky or rum.

The cost of sugar to the Territory last year was over one million dollars.

lars. Z. C. M. I. alone paid for that article or the year ending October 1st, 1883, \$400,000. They paid to the west \$368,000 and about \$32,000 to the east, at an average cost of 10½¢ per pound.

ARTHUR STAYNER.

Races on the Fourth.

The Salt Lake Driving Park Association have made arrangements for a gala day on July 4th. The 245 class for pacers and trotters is looked to as a grand race, as it embraces the same quartette that entertained the public on June 9th, and resulted in one of the best races ever witnessed on the track. The wonderful stallion Glencoe is to make his first appearance on the Fourth in the novelty race of ¼ dash. He has the reputation of being a world beater at ¼ or ½ mile, being as fast as a ghost. The celebrated chestnut mare, Gipsy's Warning, also makes her first bow to a Salt Lake public, and has the reputation of splitting the wind with her wonderful flight of speed. The celebrated Coursicanna ought to be a very formidable animal in the race. Carrington names Emigrant Girl, and as she has been seen to run here and in Ogden, nothing can be said of her except that if she is right they will have to fly to beat her the first quarter. The association have leased the bar privilege to Mr. Bechtel, and the best brands of whiskey and cigars will be obtainable. Lemonades free.

Admittance to the track including grand stand and quarter stretch 50 cents. Races to start at 2 p.m. The roadster race for horses that have never beaten three minutes is filling well and is assured of making a good race. The association have engaged the unexcelled Opera House band for the occasion and the best of music will be discoursed between the heats and races. Entrance to all the races closes on July 1st, with Jas. T. Little at Deseret National Bank at 5 p.m. Entrance for 10 per cent of purse, ¼ mile and repeat declared off and ¼ dash substituted.

Fourth on the Square.

Among the amusement bills of fare offered for July 4th there is one given in this morning's HERALD which will no doubt attract a large crowd to the Eighth Ward Square. Besides a lot of exciting races there is to be a game of baseball played by the Olympics and Red Boys, and a full band will be in attendance to enliven the audience with patriotic and other music. No doubt the boys will get their share of the 4th patronage.

Horrible Story.

An exchange perpetrates the following:
"Mrs. —away, while cleaning house, asked her husband to nail up some []; he refused; she looked at him, told him his conduct was without [], and beat him with her [] until he saw []. He now lies in a [] state, and may be a subject for dis[]. A man must be an [] his life and limb in such a way as that."

Work on the Northern Chief Mill in Butterfield Canyon is progressing finely under the direction of Prof. J. A. Morgan.

The process discovered by George Dickinson of Bingham for concentrating ores, and for separating galena from iron pyrites, is believed to be a complete success, and leading mining men have great confidence in the results to be obtained from it.

Drafts to the amount of \$30,000 drawn on the D. & R. G. Western by one of their contractors, James Robbins, of Salina, have been sent back from Denver protested, and Mr. Robbins is unable to get his money which has been due some time. Officers of the road say that payment is only delayed until some inaccuracies in the accounts are cleared up.

F. AUERBACH & BRO. have just received some Beautiful all over Lace, and Edgings to match.

THE Porter Iron Roofing is the best, sold only by Edward Seebus Co.

GENTLEMEN whose beards are not of the tint which they desire, can remedy the defect by using Buckingham's Dye for the Whiskers.

Genuine Sure Pop

Is DEATH to all insects, whether in the house or out of doors, at H. DINWODEY'S.

120 Main Street.

Ice cream and water ices moulded and formed in all shapes for parties and wedding suppers. Our ice cream parlors are among the finest in Utah. Families furnished with ice cream at all hours of the day and evening.

Thanking my many friends for their liberal patronage the past ten years and hoping to still merit a continuance of the same,
H. O. STEARNS,
120 Main Street and Walker Opera House.

Base Ball Goods

Headquarters, Pembroke's, 50 Main street.

Pianos! Pianos! Pianos!

Thirty of the finest Pianos ever made, or ever seen in Salt Lake, at Calder's Music Palace. Call and see them.

Third District Court.

Proceedings in the Third District Court on Saturday, June 28, 1884, Chief Justice Hunter presiding:

Edward W. Westcott vs. David Eccles; judgment for defendant on report of referee.

D. & R. G. W. Railway company et al. vs. D. & R. G. Railway company et al. Motion of plaintiff for an injunction heretofore submitted to the court and injunction heretofore issued, continued till further order of the court. Exception taken and sixty days allowed defendant to answer.

United States vs. Alexander Howard; bigamy. Plea of not guilty heretofore entered withdrawn and plea of guilty entered. Sentence fixed for July 7th.

People vs. Samuel P. Hitch; abduction of a child. Defendant withdrew the plea of not guilty and pleaded guilty.

United States vs. Radger Clawson; bigamy. Motion to quash indictment argued by Bennett & Harkness and F. S. Richards for defendant, and Dickson & Varian for the prosecution. Submitted.

Admitted a citizen: Moses Jackson, formerly of England, now residing in this city.

Court adjourned till Monday, July 7th.

More Chess.

Dr. Zukertort gave another exhibition of his skill as a chess player last night at the Alta Club. In this instance there were nine players against him, namely: Zera Snow, Orson, Harmel and Arthur Pratt, J. Barnett, George Angler, Thomas Ellerback, Sr., Captain Crafts, of Fort Douglas, and Colonel Nelson. Whenever a player was check-mated and withdrew from the table his place was immediately taken by some other aspirant who would soon meet with the same fate. The games last night were all played even except the one with Zera Snow to whom the doctor gave a rook. The doctor check-mated eight of his opponents and made a draw with Mr. Snow. Lovers of chess have been much gratified by Dr. Zukertort's visit among them.

Fourth at Fuller's.

The enterprising proprietor of the Hill announces in THE HERALD this morning the programme for the Fourth, and it is a varied and attractive one. Besides the regulation amusements at the Hill in the daytime he will introduce a number of new English games, which will no doubt be interesting and amusing. In the evening there will be one of the finest displays of fireworks ever witnessed in this region consisting of about thirty pieces, and of them the best to be obtained in this section. The pyrotechnic display will be under the special charge of Charley Millard, and will conclude with a grand independence day tableau. In the evening a select dancing party will be given.

Change of Time Wanted.

Business men and mining men interested in Bingham Canyon are very much dissatisfied with the present train service between this city and that point, and would prefer to have the old system restored. By that system trains left Salt Lake at 7 a.m., arrived at Bingham at 11 o'clock, and left Bingham at 4.45 p.m. At present the train leaves Bingham at 1 p.m., thus allowing business men and others who wish to go and return the same day, scarcely three hours in which to transact their business. There is very general complaint in regard to this matter, and it is to be hoped that the proper persons will take notice of the fact and bring about the reform needed.

Fine Excursion Wagon.

The latest acquisition to the facilities of the Star Express, and one in which the company takes especial pride, is the fine new sixteen seat wagon, which has recently been fitted up with particular consideration for parties to Calder's farm, Fort Douglas and other pleasant drives, and for picnic parties. The enterprising managers of the Star Express are now prepared to furnish accommodation for the largest-sized parties, from fifty to 200, and are determined to give the utmost satisfaction to the patrons. We can recommend them as being able to do all they promise.

Temperance Meeting.

The Utah Temperance Union will hold a public meeting at 8 o'clock this evening in the Temple of Honor Hall. There will be a number of able speakers and during the evening an opportunity will be given to join the Union or to sign the pledge. Admission free. A cordial invitation is extended to all.

Peril July Fourth.

In our advertising columns this morning appears the notice of the theatricals arranged for next Friday by the Home Dramatic Club. A grand family and children's matinee occurs at 2 o'clock, and the evening performance set for 8.30. Further particulars are set forth in our Dramatic and Lyric columns.

OUR Summer Silks are marked down so low as to make them preferable to wash materials.
F. AUERBACH & BRO.

The Concert.

Be'ow we give the full programme for the Benefit Concert on Tuesday evening next. Six of the numbers—nearly one-half of the programme—have never been produced here before. Altogether it is a very choice selection:

PROGRAMME.

Overture.....	Theatre Orchestra
Chorus.....	With Warle's Mistletoe
Songs.....	Ehren on the Rhine
Sacred Part-song.....	The Mellow Eye is Gilding
Twelve Select Voices.....	
Song.....	Santa Maria
Violin Solo.....	Hungarian Airs
Song.....	The Bell-Ringer
Chorus.....	Thomas C. Crawford.
Chorus.....	The Nations are now the Lord's
Selection.....	Theatre Orchestra
Anthem.....	The Nations Bow
Song.....	The Cavalier's Farewell
Catch.....	James Crawford.
Organ Solo.....	Factotum
Quartet.....	Four Fine my Baby
Misses Olsen and Louie Wells and Messrs. H. G. Whitney and J. D. Spencer.	
Piccolo.....	Golden Linnet Polka
Song.....	John Smith and William Clayton.
Song.....	The Maid's Request
Miss Nellie Drace.	
Sextette and Chorus.....	What From Vengeance
Misses Olsen and Clayton and Messrs. W. H. McAllister, H. Gardner, W. H. Foster, Thomas C. Crawford and Chorus.	

Such a programme should alone be sufficient to induce a large attendance, aside from the fact that the concert is for the benefit of Miss Agnes Olsen. The Tabernacle Choir, and others engaged, are doing their very best to insure a musical success, and we trust it will be successful financially; we know no reason why it should not be. Procure your tickets to-morrow, if you have not already done so, from either D. O. Calder, C. R. Savage or Daynes & Coakler. The last name is presenting a cabinet photo picture of Miss Olsen to all who purchase tickets at their establishment, affording a pleasant memento of the sweet songstress.

That Grand Garden Fete.

The ladies' committee of St. Mark's Guild have their preparations nearly complete for the grand entertainment next Tuesday night, on the grounds of Mr. Wallace. If any unucky body should be kept away from that charming place on that occasion, by the damming up of Utah Lake, or any other sort of damming, will he please send his name and address, and receive a cabinet photograph of the operatic troupe from Italy, by the name of Smithiana, who are to make their first appearance before the Salt Lake public, positively for the benefit of the noble work of charity and mercy, in which the Guild is engaged. Tickets will not be sold at auction for this unique concert, and only popular prices will be charged. The committee admit the public to the grounds, to the dancing, to the strawberry and ice cream feast, all for \$1, and children under 12 years of responsibility half price, or one for half a dollar. Don't mistake the place or the hour. Geo. Y. Wallace's grounds on Fifth East street, from 7.30 o'clock Tuesday evening till 30.7 Wednesday morning.

HOTEL ARRIVALS.

June 28, 1884.

CLIFT HOUSE.

J. Anderson, Ogden; B. Heywood, Kayville; H. E. Craig, E. Van Buren, Chicago; B. Johnson, J. A. Kirby, Frisco; F. A. Wynne, Denver.

METROPOLITAN HOTEL.

T. Hamilton, Denver; F. Custer, Chicago; D. W. Oliver, Mrs. Peoria, Miss J. Walton, H. J. Chandler, Provo; Laura Frandenhol, Mrs. M. Grande, Silver Reef, Miss E. Finster, Cleveland; H. B. Whitman, O. W. Morganthaler, Cincinnati; S. Clibby, Oakland, Cal; A. P. Bartholomew, Milwaukee.

WHITE HOUSE.

T. Jolly, Butte; P. Hedges, Sandy; W. Clark, Alta City; T. Bentley, P. V. Junction; T. Welch, J. Williamson, Portland; R. S. Lodd, Boston; P. R. Snodgrass, E. Loftis, Chicago; M. Long, E. R. Smith, O. Stuckert, Olympia, W. O. Bawens, Ogden; P. R. Link, Sprague, W. T. W. Blunt, San Francisco; W. S. Jones, Copenhagen; Utah; W. Hunter, P. J. Murphy, Portland; R. B. Bickley, S. Anderson, Helena; T. K. Siler, Spanish Fork; R. E. Warburton, J. Hays, Murray; J. Arleson and wife, Bingham; T. Brough, Omaha.

BORN.

FARMINGTON—To the wife of John Farrington, Elthreth Ward, Saturday morning, at 9.30 o'clock, a son.
Mother and child doing well.

MARRIED.

CLAYTON YOUNG—Thursday evening, June 28th, by President Joseph P. Smith, Nephi W. Clayton and Sybella W. Young both of Salt Lake City.